

**DESCRIPTIVE ABSTRACT**

This is a magnetic actuator including a  
5 mobile magnetic portion (20), a fixed magnetic portion  
(10) provided with at least two attraction areas (11,  
12) for the mobile magnetic portion (20), and means  
(30) for triggering the displacement of the mobile  
magnetic portion (20), the mobile magnetic portion (20)  
10 being in levitation when it is not in contact with an  
attraction area (11, 12). The mobile magnetic portion  
(20) includes a magnet-based part (200) with reduced  
magnet weight, this part (200) having an overall  
volume, and a mass which is less than the one it would  
15 have if its overall volume was totally occupied by the  
magnet.

Fig. 2B.